

## DESCRIPTION

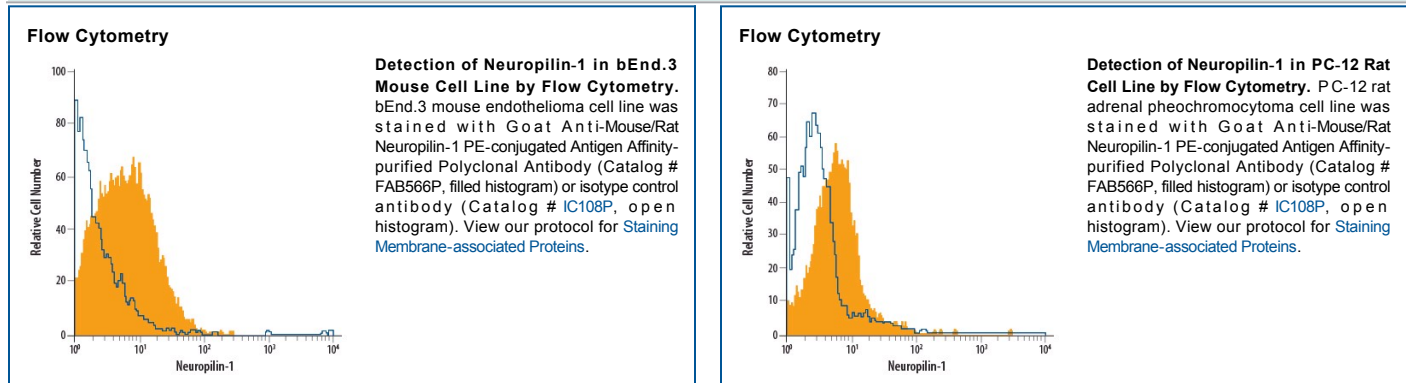
<b>Species Reactivity</b>	Mouse/Rat
<b>Specificity</b>	Detects mouse and rat Neuropilin-1 in direct ELISAs and Western blots. In direct ELISAs, approximately 8% cross-reactivity with recombinant human Neuropilin-1 is observed, and less than 1% cross-reactivity with recombinant rat Neuropilin-2 is observed.
<b>Source</b>	Polyclonal Goat IgG
<b>Purification</b>	Antigen Affinity-purified
<b>Immunogen</b>	Mouse myeloma cell line NS0-derived recombinant rat Neuropilin-1 Phe22-Ala810 (Lys811Arg), Ser829-Asp854 Accession # Q9QWJ9
<b>Conjugate</b>	Phycoerythrin Excitation Wavelength: 488 nm Emission Wavelength: 565-605 nm
<b>Formulation</b>	Supplied in a saline solution containing BSA and Sodium Azide. See Certificate of Analysis for details.  *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

## APPLICATIONS

**Please Note:** Optimal dilutions should be determined by each laboratory for each application. *General Protocols* are available in the *Technical Information* section on our website.

	Recommended Concentration	Sample
<b>Flow Cytometry</b>	10 $\mu$ L/10 <sup>6</sup> cells	See Below

## DATA



## PREPARATION AND STORAGE

<b>Shipping</b>	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
<b>Stability &amp; Storage</b>	<b>Protect from light. Do not freeze.</b> <ul style="list-style-type: none"> <li>● 12 months from date of receipt, 2 to 8 °C as supplied.</li> </ul>

## BACKGROUND

Neuropilin-1 is a type I transmembrane protein that is expressed in the developing nervous system and by endothelial and tumor cells. Neuropilin-1 binds members of the class III secreted semaphorin subfamily as well as some isoforms of VEGF family proteins. The amino acid sequence of rat Neuropilin-1 extracellular domain is 98% and 93% identical to that of mouse and human Neuropilin-1, respectively.

## PRODUCT SPECIFIC NOTICES

\* This product or the use of this product is covered by U.S. Patents owned by The Regents of the University of California. This product is for research use only and is not to be used for commercial purposes. Use of this product to produce products for sale or for diagnostic, therapeutic or drug discovery purposes is prohibited. In order to obtain a license to use this product for such purposes, contact The Regents of the University of California.

U.S. Patent # 6,054,293, 6,623,738, and other U.S. and international patents pending.